

HW# 7
(due 04/18)

Physics 406

Reading

(i) Omar (O) Chapter 7 pp 319 - 369.

(ii) Handout ⁷8: "Electronics with Carbon Nanotubes", P. Avouris, Physics World (2007); please find this reading on the course website (<http://www.physics.rutgers.edu/ugrad/406/physics406.html>).

Problems:

1, 2. Omar Ch. 6 P. 15 & 19
3. Omar Ch. 7 Q. 1
4-6. Omar Ch. 7 P. 1, 4, 7

7. ~~10~~ Please describe, drawing from your reading of Handout ⁷8, recent studies of nanoscale electrical and optical devices based on carbon nanotubes. Please use a minimum of four sentences in your response.